

ODEON Basic course * 19-20 September 2022

The basic course is for users who have basic to intermediate experience in the use of ODEON, and covers lectures and hands-on exercises, as well as related publications material. Please make sure to download the latest version of the ODEON Combined from [this page](#). An installation copy of the most recent ODEON version and license will also be provided for use during the course. In addition, if you wish to make modifications of ODEON files in SketchUp (optional), please download one of the latest [SketchUp Pro](#) versions (a 30-day free trial is also available).

It is important to bring your own computer with administrator rights in order to install any necessary provided software. Check ODEON's system requirements [here](#).

Instructors: George Koutsouris, Mario Alfredo Montoya Sandoval, Claus Lynge Christensen.

PROGRAM

Monday 19th September

- 09:00 Registration, welcome, and setup**
- 09:15 Presentation of the Odeon SketchUp plugin**
- 09:30 ODEON, basic workflow**
Hands-On exercise
- 10:15 Coffee Break**
- 10:30 Viewing and evaluating ODEON Results**
Hands-On exercise (continues)
- 11:30 Importing rooms as .dxf and other formats, verification and fixes**
Presentation & Hands-On exercise
- 12:30 Lunch**
- 13:30 Room acoustic parameters**
Presentation
- 14:00 Exporting ODEON results for reports and presentations**
Hands-On exercise
- 14:30 Coffee Break**
- 14:45 Loudspeaker formats and array sources**
Hands-On exercise
- 15:30 Making STI Calculations**
Presentation - Application note
- 16:00 Auralisations – part 1**
Hands-On exercise
- 16:30 End of day 1**
- 17:30 Social dinner at Fortunen (Ved Fortunen 33, 2800 Kongens Lyngby)**

Tuesday 20th September

- 09:00 Breakfast and setup**
- 09:15 Calculation methods – The theory behind ODEON**
- 10:00 Define and calculate materials in ODEON**
Hands-On exercise
- 10:45 Coffee Break**
- 11:00 Brief demonstration of ODEON's measuring system**
- 11:30 Open plan offices (ISO 3382-3 - 2nd edition)**
Presentation & Application note
- 12:00 Lunch**
- 13:00 Auralisations – part 2**
Hands-On exercise
- 14:00 Application cases**
Presentation
- 14:30 Coffee Break**
- 14:45 Overview of extra tools in ODEON**
Extrusion modeller,
Source power estimation,
Genetic material optimizer, etc.
- 15:00 Airborne sound transmission (optional)**
Hands-On exercise
- 15:30 Demonstration of ODEON's speaker layout (optional)**
- 16:00 Discussion**
- 16:30 End of day 2**